

mrs

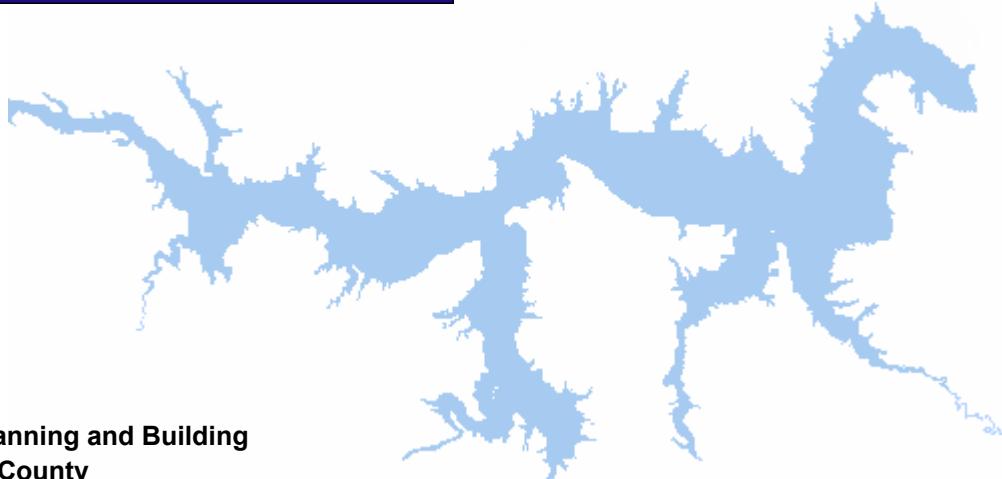
Nacimiento Water Project



Environmental Impact Report

Final

SCH #2001061022



Prepared for:

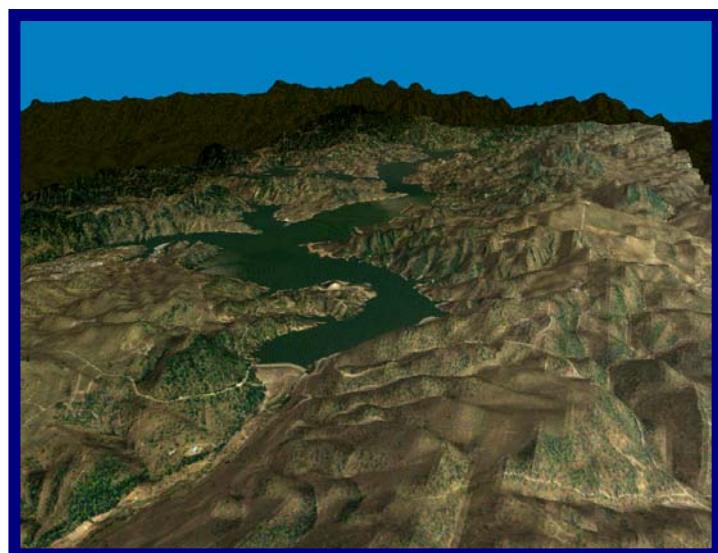
Department of Planning and Building
San Luis Obispo County
County Government Center, Room 310
San Luis Obispo, California
93408

Prepared by:

Marine Research Specialists
3140 Telegraph Road, Suite A
Ventura, California
93003

In Association with:

The Morro Group
Cleath & Associates
Gibson Archaeological Services



December 2003

Table of Contents**Executive Summary****Impacts Summary Tables**

1.0 Introduction and Background	1-1
1.0 Introduction and Background	1-1
1.1 Introduction.....	1-1
1.2 Project Background.....	1-1
1.3 Relationship to Other Documents	1-2
1.4 Use of this Document.....	1-3
1.5 EIR Contents	1-4
2.0 Project Description	2-1
2.0 Project Description.....	2-1
2.1 Project Location	2-1
2.2 Project Objectives and Need.....	2-4
2.2.1 San Miguel Community Services District (610 afy)	2-4
2.2.2 City of El Paso de Robles (4,000 afy)	2-4
2.2.3 Templeton Community Services District (250 afy)	2-5
2.2.4 Atascadero Mutual Water Company (3,000 afy).....	2-5
2.2.5 Santa Margarita Ranch (200 afy).....	2-5
2.2.6 Santa Margarita County Service Area 23 (100 afy)	2-5
2.2.7 City of San Luis Obispo (3,380 afy).....	2-5
2.2.8 Camp San Luis Obispo (200 afy)	2-6
2.2.9 San Luis Coastal Unified School District (55 afy)	2-6
2.2.10 Cayucos County Service Area 10A (80 afy)	2-7
2.2.11 Lewis C. Pollard Family Trust (50 afy).....	2-7
2.2.12 Morro Rock Mutual Water Company (30 afy).....	2-7
2.2.13 Airport County Service Area 22 (890 afy)	2-7
2.2.14 Fiero Lane Water Company (30 afy).....	2-7
2.2.15 Edna Valley Mutual Water Company (700 afy).....	2-7
2.3 Project Background.....	2-8
2.3.1 History of the Proposed Project.....	2-8
2.3.2 Proposed Water Distribution System	2-9
2.3.2.1 San Miguel Community Services District	2-11
2.3.2.2 Paso Robles.....	2-11
2.3.2.3 Templeton Community Services District	2-11
2.3.2.4 Atascadero Mutual Water Company	2-11
2.3.2.5 Santa Margarita Ranch Mutual Water Company.....	2-11
2.3.2.6 County Services Area 23 – Santa Margarita.....	2-11
2.3.2.7 City of San Luis Obispo	2-12
2.3.2.8 Camp San Luis Obispo	2-12

2.3.2.9	San Luis Coastal Unified School District – Morro Bay	2-12
2.3.2.10	County Services Area 10A – Cayucos (CSA-10A).....	2-12
2.3.2.11	Lewis Pollard Trust – Cayucos.....	2-13
2.3.2.12	Morro Rock Mutual Water Company – Cayucos	2-13
2.3.2.13	County Service Area 22 – Airport Area	2-13
2.3.2.14	Fiero Lane Water Company – Airport Area	2-13
2.3.2.15	Edna Valley Mutual Water Company – Airport Area	2-13
2.4	Proposed Water Treatment Options.....	2-14
2.4.1	Treated Water Option	2-14
2.4.2	Raw Water Option	2-15
2.5	Characteristics of the Project Components	2-16
2.5.1	Pipeline (Both Options).....	2-17
2.5.1.1	Pipeline Route Description.....	2-17
2.5.1.2	General Pipeline Characteristics	2-25
2.5.1.3	Pipeline Installation Methods	2-27
2.5.2	Reservoir Water Intake (Both Options).....	2-35
2.5.3	Water Storage Tanks (Both Options)	2-36
2.5.4	Pump Stations (Both Options).....	2-40
2.5.4.1	Intake Pump Station.....	2-40
2.5.4.2	WTP Pump Station	2-41
2.5.4.3	Happy Valley Pump Station	2-41
2.5.5	Nacimiento WTP (Treated Water Option)	2-41
2.5.5.1	WTP Construction	2-41
2.5.5.2	WTP Operation.....	2-42
2.5.6	Water Discharge Facilities (Raw Water Option).....	2-43
2.6	Proposed Project Schedule, Equipment and Personnel Requirements	2-46
2.7	Discretionary Actions Required.....	2-51
2.7.1	Reach 1 through Reach 8 (Lake Nacimiento to City of San Luis Obispo WTP)	2-51
2.7.2	Reaches 8A Through 10	2-52
2.7.3	Water Treatment Plants	2-52
2.7.4	Summary of Permit Requirements	2-53
3.0	Alternatives.....	3-1
3.1	Alternatives Selection Background Information	3-3
3.1.1	Project Objective	3-3
3.1.2	San Luis Obispo County Master Water Plan.....	3-3
3.1.3	State Water Project	3-4
3.1.4	Reliability of the State Water Project and the Nacimiento Water Project.....	3-6
3.1.4.1	State Water Project	3-6
3.1.4.2	Nacimiento Water Project.....	3-7
3.2	Alternatives to the 2003 Proposed Project.....	3-8
3.2.1	No Project/No Action Alternative	3-9
3.2.2	NWP 1997 EIR Alternative	3-10
3.2.2.1	Background.....	3-10
3.2.2.2	Project Description	3-14
3.2.2.3	Intake and Pump Station (No. 1) at Lake Nacimiento	3-16

3.2.2.4	Raw Water Distribution System	3-17
3.2.2.5	Treated Water Distribution System	3-22
3.2.2.6	Screening of NWP 1997 EIR Alternative.....	3-23
3.2.3	Phased Raw and Treated Water Alternative.....	3-23
3.2.4	Alternative Project Configurations and Pipeline Alignments	3-24
3.2.4.1	West River (Bradley Well Field Concept) Alignment	3-24
3.2.4.2	East River (Bradley Well Field Concept) Alignment.....	3-41
3.2.4.3	Camp Roberts Direct Alignment	3-42
3.2.4.4	Paso Robles Vine Street Alternatives.....	3-43
3.2.4.5	Templeton Main Street Alternatives.....	3-45
3.2.4.6	Use of Gas and Oil Pipeline Easements	3-45
3.2.5	San Luis Obispo "Wheeling" Alternative	3-47
3.2.6	Reservoir Intake Alternatives	3-48
3.2.6.1	Alternative Reservoir Intake Options	3-48
3.2.6.2	Non-Viable Alternatives.....	3-49
3.2.6.3	Viable Alternatives	3-51
3.2.6.4	Screening of Viable Alternatives.....	3-52
3.2.7	Alternative Water Treatment Locations	3-53
3.2.7.1	WTP Sites 1 Through 3	3-53
3.2.7.2	WTP Site 4 Templeton WTP	3-55
3.2.7.3	WTP Site 5 Templeton Alternative	3-55
3.2.7.4	Other Alternative WTP Sites	3-55
3.2.8	Alternative Water Sources.....	3-56
3.2.8.1	State Water Project	3-56
3.2.8.2	Additional Groundwater Pumping.....	3-56
3.2.8.3	Desalination and Salinas Reservoir Expansion Alternative	3-63
3.2.8.4	Water Reclamation	3-65
3.2.8.5	Water Conservation	3-65
3.3	Summary of Alternatives Selected for Analyses throughout the EIR	3-66
4.0	Cumulative Projects Description.....	4-1
4.1	Cumulative Development Projects	4-1
4.2	Monterey County Salinas Valley Water Project (SVWP)	4-3
5.0	Analysis of Environmental Issues.....	5-1
5.1	Hydrology and Water Quality.....	5.1-1
5.1.1	Environmental Setting	5.1-1
5.1.1.1	Existing Surface Water Conditions	5.1-1
5.1.1.2	Existing Groundwater Conditions	5.1-22
5.1.1.3	Dependable Yield and Overdraft.....	5.1-27
5.1.2	Regulatory Setting	5.1-28
5.1.2.1	The Safe Drinking Water Act	5.1-28
5.1.2.2	California Surface Water Treatment Rule	5.1-29
5.1.2.3	Information Collection Rule	5.1-30
5.1.2.4	Interim Enhanced Surface Water Treatment Rule.....	5.1-30
5.1.2.5	Total Coliform Rule.....	5.1-31

5.1.2.6	Disinfectants/Disinfection By Products Rule	5.1-31
5.1.3	Significance Criteria	5.1-32
5.1.3.1	Criteria for Construction	5.1-32
5.1.3.2	Criteria for Operation	5.1-32
5.1.3.3	Criteria for Operation of Raw Water Option Only	5.1-32
5.1.4	Proposed Project Impacts and Mitigation Measures	5.1-33
5.1.4.1	Treated Water Option	5.1-33
5.1.4.2	Raw Water Option	5.1-40
5.1.5	Alternatives Impacts and Mitigation Measures	5.1-51
5.1.5.1	No Project Alternative	5.1-51
5.1.5.2	NWP 1997 EIR Alternative	5.1-53
5.1.5.3	Phased Raw and Treated Water Alternative	5.1-54
5.1.6	Cumulative Impacts	5.1-54
5.1.6.1	Salinas Valley Water Project (SVWP)	5.1-55
5.1.7	Mitigation Monitoring Plan	5.1-56
 5.2	Geology, Seismicity, and Soils	5.2-1
5.2.1	Environmental Setting	5.2-1
5.2.1.1	Geology	5.2-1
5.2.1.2	Seismicity	5.2-8
5.2.1.3	Soils	5.2-11
5.2.2	Regulatory Setting	5.2-11
5.2.2.1	Public Resources Code, Section 2621, et seq	5.2-17
5.2.2.2	Title 22 of the San Luis Obispo County Code	5.2-17
5.2.3	Significance Criteria	5.2-17
5.2.4	Proposed Project Impacts and Mitigation Measures	5.2-18
5.2.4.1	Treated Water Option	5.2-18
5.2.4.2	Raw Water Option	5.2-20
5.2.5	Alternative Impacts and Mitigation Measures	5.2-20
5.2.5.1	No Project Alternative	5.2-20
5.2.5.2	NWP 1997 EIR Alternative	5.2-21
5.2.5.3	Phased Raw and Treated Water Alternative	5.2-21
5.2.6	Cumulative Impacts	5.2-21
5.2.7	Mitigation Monitoring Plan	5.2-22
 5.3	Drainage, Erosion and Sedimentation	5.3-1
5.3.1	Environmental Setting	5.3-1
5.3.1.1	Drainages and Slope Conditions Along the Pipeline Route	5.3-1
5.3.1.2	Flooding in the Area	5.3-14
5.3.2	Regulatory Setting	5.3-16
5.3.2.1	Federal Policies and Regulations	5.3-16
5.3.2.2	State Policies and Regulations	5.3-17
5.3.2.3	Local Policies and Regulations	5.3-17
5.3.3	Significance Criteria	5.3-17
5.3.3.1	Criteria for Construction	5.3-17
5.3.3.2	Criteria for Operation	5.3-18

5.3.4	Proposed Project Impacts and Mitigation Measures	5.3-18
5.3.4.1	Treated Water Option	5.3-18
5.3.4.2	Raw Water Option	5.3-23
5.3.5	Alternatives Impacts and Mitigation Measures	5.3-24
5.3.5.1	No Project Alternative	5.3-24
5.3.5.2	NWP 1997 EIR Alternative	5.3-24
5.3.5.3	Phased Raw and Treated Water Alternative	5.3-24
5.3.6	Cumulative Impacts	5.3-24
5.3.7	Mitigation Monitoring Plan	5.3-26
5.4	Air Quality	5.4-1
5.4.1	Environmental Setting	5.4-1
5.4.1.1	Regional Overview	5.4-1
5.4.1.2	Air Quality	5.4-2
5.4.1.3	Regional Air Emissions	5.4-7
5.4.2	Regulatory Setting	5.4-8
5.4.2.1	Federal Regulations	5.4-8
5.4.2.2	State Regulations	5.4-8
5.4.2.3	Local Rules and Regulations	5.4-9
5.4.3	Significance Criteria	5.4-9
5.4.3.1	Significance Criteria for Construction	5.4-10
5.4.3.2	Significance Criteria for Operations	5.4-10
5.4.3.3	Significance Criteria for Health Risks	5.4-11
5.4.4	Proposed Project Impacts and Mitigation Measures	5.4-11
5.4.4.1	Treated Water Option	5.4-12
5.4.4.2	Raw Water Option	5.4-20
5.4.5	Alternative Impacts and Mitigation Measures	5.4-20
5.4.5.1	No Project Alternative	5.4-21
5.4.5.2	NWP 1997 EIR Alternative	5.4-21
5.4.5.3	Phased Raw and Treated Water Alternative	5.4-21
5.4.6	Cumulative Impacts	5.4-21
5.4.6.1	Salinas Valley Water (SVWP)	5.4-21
5.4.6.2	Other Development Projects	5.4-22
5.4.7	Mitigation Monitoring Plan	5.4-23
5.5	Noise	5.5-1
5.5.1	Environmental Setting	5.5-1
5.5.1.1	Definition	5.5-1
5.5.1.2	Effects on Wildlife	5.5-1
5.5.1.3	Effects on Humans	5.5-1
5.5.1.4	Background Noise Sources	5.5-2
5.5.2	Regulatory Setting	5.5-9
5.5.2.1	Federal Jurisdiction	5.5-9
5.5.2.2	State Jurisdiction	5.5-10
5.5.2.3	Local Jurisdiction	5.5-10
5.5.3	Significance Criteria	5.5-13

5.5.4	Proposed Project Impacts and Mitigation Measures	5.5-14
5.5.4.1	Treated Water Option	5.5-14
5.5.4.2	Raw Water Option	5.5-21
5.5.5	Alternatives Impacts and Mitigation Measures	5.5-22
5.5.5.1	No Project Alternative	5.5-22
5.5.5.2	NWP 1997 EIR Alternative	5.5-22
5.5.5.3	Phased Raw and Treated Water Alternative	5.5-28
5.5.6	Cumulative Impacts	5.5-28
5.5.7	Mitigation Monitoring Plan	5.5-29
5.6	Hazards and Hazardous Materials	5.6-1
5.6.1	Environmental Setting	5.6-1
5.6.1.1	Regional Overview	5.6-1
5.6.1.2	Proposed WTP Operational Setting	5.6-4
5.6.1.3	Study Area and Scope	5.6-8
5.6.2	Regulatory Setting	5.6-9
5.6.2.1	Federal Laws and Regulations	5.6-9
5.6.2.2	California Laws and Regulations	5.6-11
5.6.2.3	County Regulations	5.6-12
5.6.3	Significance Criteria	5.6-12
5.6.4	Proposed Project Impacts and Mitigation Measure	5.6-13
5.6.4.1	Treated Water Option	5.6-13
5.6.4.2	Raw Water Option	5.6-26
5.6.5	Alternatives Impacts and Mitigation Measures	5.6-27
5.6.5.1	No Project Alternative	5.6-27
5.6.5.2	NWP 1997 EIR Alternative	5.6-27
5.6.5.3	Phased Raw and Treated Water Alternative	5.6-27
5.6.6	Cumulative Impacts	5.6-28
5.6.7	Mitigation Monitoring Plan	5.6-29
5.7	Biological Resources	5.7-1
5.7.1	Environmental Setting	5.7-1
5.7.1.1	Vegetation	5.7-1
5.7.1.2	Wildlife Species and Associated Habitats	5.7-4
5.7.1.3	Sensitive Species and Habitats	5.7-5
5.7.2	Regulatory Setting	5.7-6
5.7.3	Significance Criteria	5.7-18
5.7.4	Proposed Project Impacts and Mitigation Measures	5.7-19
5.7.4.1	Treated Water Option	5.7-19
5.7.4.2	Raw Water Option	5.7-39
5.7.5	Alternatives Impacts and Mitigation Measures	5.7-40
5.7.5.1	No-Project Alternative	5.7-40
5.7.5.2	NWP 1997 EIR Alternative	5.7-40
5.7.5.3	Phased Raw and Treated Water Alternative	5.7-40
5.7.6	Cumulative Impacts and Mitigation Measures	5.7-41
5.7.7	Mitigation Monitoring Plan	5.7-42

5.8 Cultural and Paleontological Resources	5.8-1
5.8.1 Environmental Setting	5.8-2
5.8.1.1 Cultural and Paleontology/Geology Resources Inventory Procedures.....	5.8-2
5.8.1.2 Paleontology Resources.....	5.8-4
5.8.1.3 Geology Resources	5.8-9
5.8.1.4 Geomorphology Resources.....	5.8-20
5.8.1.5 Prehistoric Cultural Resources	5.8-26
5.8.1.6 Historic Cultural Resources	5.8-42
5.8.1.7 Areas with Potential for Paleontology and Cultural Resources.....	5.8-54
5.8.2 Regulatory Setting	5.8-55
5.8.2.1 Federal Regulations	5.8-55
5.8.2.2 State Regulations	5.8-61
5.8.2.3 Local Rules and Regulations	5.8-64
5.8.3 Significance Criteria	5.8-64
5.8.4 Proposed Project Impacts and Mitigation Measures	5.8-65
5.8.4.1 Treated Water Option	5.8-66
5.8.4.2 Raw Water Option	5.8-82
5.8.5 Alternative Impacts and Mitigation Measures.....	5.8-82
5.8.5.1 No Project Alternative	5.8-82
5.8.5.2 NWP 1997 EIR Alternative	5.8-82
5.8.5.3 Phased Raw and Treated Water Alternative.....	5.8-83
5.8.6 Cumulative Impacts.....	5.8-83
5.8.7 Mitigation Monitoring Plan	5.8-86
5.9 Land Use	5.9-1
5.9.1 Regulatory Setting	5.9-1
5.9.1.1 State Regulations	5.9-1
5.9.1.2 Local Rules and Regulations	5.9-1
5.9.1.3 Framework for Planning	5.9-3
5.9.1.4 Combining Designations	5.9-6
5.9.2 Land Use Policy Consistency Determination by Planning Area.....	5.9-7
5.9.2.1 SLO County Master Water Plan.....	5.9-8
5.9.2.2 Public Utilities Facilities Land Use Designation.....	5.9-8
5.9.2.3 Nacimiento Area Plan.....	5.9-11
5.9.2.4 Adelaida Area Plan	5.9-15
5.9.2.5 Salinas River Area Plan.....	5.9-15
5.9.2.6 City of El Paso de Robles	5.9-16
5.9.2.7 Templeton and City of Atascadero	5.9-17
5.9.2.8 Santa Margarita.....	5.9-18
5.9.2.9 Cuesta Grade.....	5.9-18
5.9.2.10 San Luis Obispo Area Plan.....	5.9-19
5.9.3 Proposed Project Impacts and Mitigation Measures	5.9-21
5.9.3.1 Treated Water Option	5.9-22
5.9.3.2 Raw Water Option	5.9-22
5.9.4 Alternatives Impacts and Mitigation Measures	5.9-22

5.9.4.1	No Project Alternative	5.9-22
5.9.4.2	NWP 1997 EIR Alternative	5.9-22
5.9.4.3	Phased Raw and Treated Water Alternative	5.9-23
5.9.5	Cumulative Impacts	5.9-23
5.9.6	Mitigation Monitoring Plan	5.9-24
5.10	Utilities and Public Services	5.10-1
5.10.1	Environmental Setting	5.10-1
5.10.1.1	Water Utilities and Sources	5.10-1
5.10.1.2	Energy Sources	5.10-2
5.10.1.3	Fire Protection and Emergency Response Services.....	5.10-3
5.10.1.4	Law Enforcement.....	5.10-3
5.10.1.5	Solid Waste Disposal.....	5.10-3
5.10.1.6	School Facilities.....	5.10-4
5.10.1.7	Other Utilities	5.10-4
5.10.1.8	Roads	5.10-6
5.10.2	Regulatory Setting	5.10-6
5.10.2.1	Utilities	5.10-6
5.10.2.2	Waste Management Regulation.....	5.10-6
5.10.3	Significance Criteria	5.10-7
5.10.4	Proposed Project Impacts and Mitigation Measures	5.10-7
5.10.4.1	Treated Water Option	5.10-8
5.10.4.2	Raw Water Option	5.10-14
5.10.5	Alternatives Impacts and Mitigation Measures	5.10-15
5.10.5.1	No Project Alternative	5.10-15
5.10.5.2	NWP 1997 EIR Alternative	5.10-15
5.10.5.3	Phased Raw and Treated Water Alternative	5.10-15
5.10.6	Cumulative Impacts	5.10-15
5.10.7	Mitigation Monitoring Plan	5.10-17
5.11	Transportation/Circulation	5.11-1
5.11.1	Environmental Setting	5.11-1
5.11.1.1	Roadway and Intersection Classification.....	5.11-1
5.11.1.2	Existing Conditions	5.11-6
5.11.1.3	Future Conditions	5.11-6
5.11.1.4	Truck Traffic.....	5.11-11
5.11.1.5	Proposed Roadway Projects	5.11-12
5.11.1.6	Rail Facilities	5.11-12
5.11.2	Regulatory Setting	5.11-12
5.11.3	Significance Criteria	5.11-13
5.11.4	Proposed Projects Impacts and Mitigation Measures	5.11-14
5.11.4.1	Treated Water Option	5.11-14
5.11.4.2	Raw Water Option	5.11-21
5.11.5	Alternatives Impacts and Mitigation Measures	5.11-21
5.11.5.1	No Project Alternative	5.11-21
5.11.5.2	NWP 1997 EIR Alternative	5.11-22

5.11.5.3	Phased Raw and Treated Water Alternative	5.11-24
5.11.6	Cumulative Impacts	5.11-25
5.11.7	Mitigation Monitoring Plan	5.11-26
5.12	Aesthetics/Visual Resources.....	5.12-1
5.12.1	Environmental Setting	5.12-1
5.12.1.1	Visual Sensitivity	5.12-1
5.12.1.2	Visual Character	5.12-3
5.12.2	Regulatory Setting	5.12-10
5.12.3	Significance Criteria	5.12-11
5.12.4	Proposed Project Impacts and Mitigation Measures	5.12-11
5.12.4.1	Treated Water Option	5.12-12
5.12.4.2	Raw Water Option	5.12-27
5.12.5	Alternative Impacts and Mitigation Measures.....	5.12-28
5.12.5.1	No Project Alternative	5.12-28
5.12.5.2	NWP 1997 EIR Alternative	5.12-28
5.12.5.3	Phased Raw and Treated Water Alternative	5.12-34
5.12.6	Cumulative Impacts	5.12-35
5.12.6.1	Salinas Valley Water Project (SVWP)	5.12-35
5.12.6.2	Other Development Projects.....	5.12-35
5.12.7	Mitigation Monitoring Plan	5.12-36
5.13	Agricultural Resources.....	5.13-1
5.13.1	Environmental Setting	5.13-1
5.13.1.1	Agricultural Lands	5.13-1
5.13.1.2	Agricultural Production	5.13-3
5.13.1.3	Agricultural Preserves	5.13-5
5.13.1.4	Agricultural Soils.....	5.13-6
5.13.1.5	Noxious Weed Species	5.13-6
5.13.2	Regulatory Setting	5.13-7
5.13.2.1	San Luis Obispo County Agriculture and Open Space Element	5.13-7
5.13.2.2	California Land Conservation Act of 1965	5.13-7
5.13.2.3	San Luis Obispo County "Right-to-Farm" Ordinance.....	5.13-7
5.13.3	Significance Criteria	5.13-8
5.13.4	Proposed Project Impacts and Mitigation Measures	5.13-9
5.13.4.1	Treated Water Option	5.13-9
5.13.4.2	Raw Water Option	5.13-12
5.13.5	Alternatives Impacts and Mitigation Measures	5.13-13
5.13.5.1	No Project Alternative	5.13-13
5.13.5.2	NWP 1997 EIR Alternative	5.13-13
5.13.5.3	Phased Raw and Treated Water Alternative	5.13-13
5.13.6	Cumulative Impacts	5.13-13
5.13.7	Mitigation Monitoring Plan	5.13-15
5.14	Recreational Resources.....	5.14-1
5.14.1	Environmental Setting	5.14-1

5.14.1.1	Lake Nacimiento.....	5.14-1
5.14.1.2	Proposed Pipeline Route.....	5.14-8
5.14.2	Regulatory Setting	5.14-11
5.14.2.1	Lake Nacimiento.....	5.14-11
5.14.2.2	Proposed Pipeline Route.....	5.14-13
5.14.3	Significance Criteria.....	5.14-13
5.14.4	Proposed Project Impacts and Mitigation Measures	5.14-15
5.14.4.1	Treated Water Option	5.14-15
5.14.4.2	Raw Water Option	5.14-22
5.14.5	Alternative Impacts and Mitigation Measures.....	5.14-23
5.14.5.1	No Project Alternative	5.14-23
5.14.5.2	NWP 1997 EIR Project Alternative.....	5.14-23
5.14.5.3	Phased Raw and Treated Water Alternative.....	5.14-24
5.14.6	Cumulative Impacts and Mitigation Measures.....	5.14-24
5.14.7	Mitigation Monitoring Plan	5.14-29
5.15	Socioeconomic Resources	5.15-1
5.15.1	Introduction	5.15-1
5.15.1.1	Background.....	5.15-1
5.15.1.2	Previous Socioeconomic and Economic Studies.....	5.15-2
5.15.1.3	Socioeconomic Analysis Approach.....	5.15-3
5.15.2	Study Area Definition.....	5.15-3
5.15.2.1	Lake Nacimiento.....	5.15-3
5.15.2.2	Proposed Pipeline Route.....	5.15-3
5.15.3	Environmental Setting	5.15-4
5.15.3.1	Land Use and Development.....	5.15-8
5.15.3.2	Population and Housing.....	5.15-12
5.15.3.3	Environmental Justice.....	5.15-16
5.15.3.4	Economic Conditions.....	5.15-17
5.15.4	Regulatory Setting	5.15-19
5.15.5	Significance Criteria	5.15-20
5.15.6	Proposed Project Impacts and Mitigation Measures	5.15-20
5.15.6.1	Treated Water Option	5.15-21
5.15.6.2	Raw Water Option	5.15-34
5.15.7	Alternative Impacts and Mitigation Measures.....	5.15-34
5.15.7.1	No Project Alternative	5.15-34
5.15.7.2	NWP 1997 EIR Alternative	5.15-34
5.15.7.3	Phased Raw and Treated Water Alternative.....	5.15-34
5.15.8	Cumulative Impacts and Mitigation Measures.....	5.15-35
5.15.9	Mitigation Monitoring Plan	5.15-36
5.16	Environmental Justice	5.16-1
5.16.1	Approach	5.16-1
5.16.2	Regulatory Setting	5.16-1
5.16.3	Significance Criteria	5.16-2
5.16.4	Proposed Project Impacts and Mitigation Measures	5.16-3

5.16.4.1	Treated Water Option	5.16-3
5.16.4.2	Raw Water Option	5.16-9
5.16.5	Alternatives Impacts and Mitigation Measures	5.16-9
5.16.5.1	No Project Alternative	5.16-10
5.16.5.2	NWP 1997 EIR Alternative	5.16-10
5.16.5.3	Phased Raw and Treated Water Alternative	5.16-10
5.16.6	Cumulative Impacts	5.16-10
5.16.7	Mitigation Monitoring Plan	5.16-10
6.0	CEQA Environmentally Superior Alternative/NEPA Preferred Alternative/LEDPA.....	6-1
6.1	Comparison of Proposed Project and Alternatives	6-1
6.1.1	Proposed Project vs. No Project/No Action Alternative.....	6-13
6.1.2	Proposed Project vs. 1997 NWP EIR Project Alignment Alternative.....	6-13
6.1.3	Proposed Project vs. Phased Raw and Treated Water Alternative	6-14
6.1.4	Proposed Project Treated Water vs. Raw Water Option	6-14
6.2	CEQA Environmentally Superior Alternative	6-15
6.3	NEPA Preferred Alternative	6-17
6.4	Least Environmentally Damaging Practicable Alternative.....	6-17
7.0	Growth Inducement.....	7-1
7.1	Introduction.....	7-1
7.1.1	Background.....	7-3
7.1.2	Recent Legislation	7-4
7.1.3	Methodology and Assumptions for Growth Inducement Analysis by Service Area	7-5
7.2	Growth Inducement Analysis By Area.....	7-9
7.2.1	SLO County's Resource Management System	7-12
7.2.2	Salinas River Planning Area.....	7-13
7.2.2.1	San Miguel.....	7-13
7.2.2.2	City of El Paso de los Robles	7-14
7.2.2.3	Templeton	7-15
7.2.2.4	Atascadero Mutual Water Company	7-15
7.2.2.5	Santa Margarita.....	7-17
7.2.2.6	Santa Margarita Ranch Mutual Waterworks	7-17
7.2.3	San Luis Obispo Area Plan.....	7-18
7.2.3.1	City of San Luis Obispo	7-21
7.2.3.2	Camp San Luis Obispo	7-22
7.2.3.3	County Service Area (CSA) 22	7-23
7.2.3.4	Fiero Lane Water Company.....	7-24
7.2.3.5	Edna Valley Mutual Water Company (MWC)	7-24
7.2.4	Esterio Area Plan	7-25
7.2.4.1	San Luis Coastal Unified School District (Morro Bay).....	7-25
7.2.4.2	Cayucos.....	7-26
7.2.4.3	CSA 10A.....	7-26
7.3	Countywide Mitigation	7-27

7.4 Residual Impacts.....	7-27
8.0 Other CEQA/NEPA Issues.....	8-1
8.1 Significant Irreversible Environmental Changes	8-1
8.2 Short-Term Use Of The Environment vs. Maintenance Of Long-Term Productivity.....	8-3
9.0 Summary of Mitigation Measures.....	9-1
Hydrology and Water Quality, Section 5.1	9-1
Geology and Soils, Section 5.2	9-2
Drainage, Erosion and Sedimentation, Section 5.3	9-2
Air Quality, Section 5.4	9-4
Noise, Section 5.5	9-7
Hazards and Hazardous Materials, Section 5.6	9-8
Biological Resources, Section 5.7	9-11
Cultural Resources, Section 5.8	9-23
Land Use, Section 5.9	9-28
Public Services and Utilities, Section 5.10	9-29
Transportation/Circulation, Section 5.11	9-29
Visual and Aesthetic Resources, Section 5.12.....	9-31
Agricultural Resources, Section 5.13	9-34
Recreational Resources, Section 5.14.....	9-35
10.0 References.....	10-1
11.0 Comments Received on the Draft EIR and Responses.....	11-1
11.1 Table of Contents	11-2
11.2 Comments Received from Governmental Agencies and Responses	11-3
11.3 Comments Received from Groups/Companies and Responses	11-36
11.4 Comments Received from Public/Individuals and Responses.....	11-87
Appendix A Noise	
Appendix B Biological Resources	
Appendix C Air Quality	
Appendix D Recreational Resources	
Appendix E Socioeconomic Resources	
Appendix F Notice of Preparation	
Appendix G Mitigation Monitoring Plan	
Appendix H List of Agencies Contacted	
Appendix I List of Preparers	
Appendix J List of Acronyms	

List of Figures

2-1	Schematic of Treated Water Option.....	2-2
2-2	Schematic of Raw Water Option	2-3
2-3	Pipeline Alignment Station 0+00 to Station 150+00	2-57
2-4	Pipeline Alignment Station 150+00 to Station 310+00	2-58
2-5	Pipeline Alignment Station 310+00 to Station 430+00	2-59
2-6	Pipeline Alignment Station 430+00 to Station 600+00	2-60
2-7	Pipeline Alignment Station 600+00 to Station 752+00	2-61
2-8	Pipeline Alignment Station 752+00 to Station 902+00	2-62
2-9	Pipeline Alignment Station 902+00 to Station 1052+00	2-63
2-10	Pipeline Alignment Station 1052+00 to Station 1220+00	2-64
2-11	Pipeline Alignment Station 1220+00 to Station 1400+00	2-65
2-12	Pipeline Alignment Station 1400+00 to Station 1550+00	2-66
2-13	Pipeline Alignment Station 1550+00 to Station 1690+00	2-67
2-14	Pipeline Alignment Station 1690+00 to Station 1850+00	2-68
2-15	Pipeline Alignment Station 1850+00 to Station 2020+00	2-69
2-16	Pipeline Alignment Station 2020+00 to Station 2180+00	2-70
2-17	Pipeline Alignment Station 2170+00 to Cuesta Tunnel (Station 2320±)	2-71
2-18	Pipeline Alignment Station 2320± to Station 2430+00	2-72
2-19	Pipeline Alignment Station 2420+00 to Station 2522+89	2-73
2-20	Pipeline Alignment Station Pipeline 2 – Station 2522+89	2-74
2-21	Pipeline Alignment Station 2530+00 to Station 2720+00	2-75
2-22	Pipeline Alignment Station 2720+00 to Station 2830+00	2-76
2-23	Pipeline Alignment Station 2830+00 to Station 2990+00	2-77
2-24	Pipeline Alignment Station 2990+00 to End	2-78
2-25	Pipeline Trench Detail.....	2-28
2-26	Pipeline Creek Crossing.....	2-30
2-27	Salinas River Suspended Pipe Crossing.....	2-30
2-28	Salinas River Directional Drilling Crossing	2-31
2-29	Railroad Crossing.....	2-31
2-30	Highway Crossing.....	2-32
2-31	Elevation View of Micro Tunneling	2-32
2-32	Lake Nacimiento Intake Structure	2-37
2-33	WTP Water Storage Facility	2-38
2-34	Rocky Canyon Water Storage Facility.....	2-38
2-35	Cuesta Tunnel Water Storage Facility	2-39
2-36	Pond Discharge Facility	2-44
2-37	Discharge Facility Piping System.....	2-45
2-38	Proposed Project Construction Schedule	2-47
3-1	Nacimiento Water Project Alternatives	3-11
3-2	NWP 1997 EIR Alternative, SLO County	3-14
3-3	West Paso Robles Street Options per 1997 EIR	3-43
3-4	Templeton Main Street Alternatives	3-45

5.1-1	Nacimiento Watershed.....	3-3
5.1-2	Map of SLO County WPAs	3-23
5.2-1	Geologic Provinces of San Luis Obispo County	5.21-2
5.2-2	Geologic Time Scale.....	5.21-3
5.2-3	Location of Proposed Pipeline Alignment in Relation to Selected Major Faults	5.21-10
5.2-4	Generalized Soils Map	5.21-12
5.2-5	Location of Rinconada Fault in Relation to Project Facilities	5.21-19
5.5-1	Common Environmental Noise Levels	5.5-3
5.5-2	Baseline noise monitoring locations	5.5-4
5.8-1	Geology Places for Nacimiento Water Project (Survey March 2002).....	5.8-10
5.8-2	Geomorphology Places for Nacimiento Water Project (Survey March 2002)	5.8-23
5.8-3	Carbon-14 Dating of Various Cultural Sites in SLO County	5.8-28
5.8-4	Prehistoric Cultural Resources for Nacimiento Water Project (Survey March 2002)	5.8-31
5.8-5	Historical Resources and Places for Nacimiento Water Project (Survey March 2002)	5.8-47
5.9-1	Planning Areas within SLO County Affected by the Proposed Project.....	5.9-4
5.12-1	Lake Nacimiento	5.12-5
5.12-2	Lake Nacimiento at 760 feet Water Level (Wet Period Simulation)	5.12-6
5.12-3	Lake Nacimiento at 700 feet Water Level (Dry Period Simulation)	5.12-7
5.12-4	Typical Rural Area of SLO County	5.12-8
5.12-5	Typical Rural Area	5.12-9
5.12-6	Typical Rural Area.....	5.12-9
5.12-7a	View of the Water Intake Structure Site – Before Project	5.12-13
5.12-7b	Simulation of the Water Intake Structure Site – After Project.....	5.12-13
5.12-8a	View of the Water Intake Site – Before Project.....	5.12-14
5.12-8b	Simulation of the Water Intake – After Project	5.12-14
5.12-8c	Simulation of the Water Intake – With Mitigation Measures Implemented.....	5.12-15
5.12-9a	View of Salinas River Pipe Bridge Site – Before Project.....	5.12-17
5.12-9b	Simulation of the Salinas River Pipe Bridge Site – After Project.....	5.12-17
5.12-10a	View of the Air Chamber near Templeton Turnout Site – Before Project	5.12-18
5.12-10b	Simulation of the Air Chamber near Templeton Turnout Site – After Project....	5.12-20
5.12-11a	View of Rocky Canyon Road Storage Tank Site – Before Project.....	5.12-20
5.12-11b	Simulation of Rocky Canyon Road Storage Tank Site – After Project	5.12-21
5.12-11c	Simulation of Rocky Canyon Tank Site – After Project with Mitigations	5.12-21
5.12-12a	View of Cuesta Tunnel Storage Tank Site – Before Project.....	5.12-25
5.12-12b	Simulation of Cuesta Tunnel Storage Tank Site – After Project	5.12-25
5.12-13a	Cuesta Tunnel Storage Tank Site – Before Project.....	5.12-26
5.12-13b	Simulation of Cuesta Tunnel Storage Tank Site – After Project	5.12-26
5.12-14	Simulation of Air release Valve and a Pipeline Turnout Vault	5.12-27

5.14-1	Lake Nacimiento Recreation Areas	5.14-4
5.14-2	Areas Affected by Lake Level Fluctuations.....	5.14-7
5.14-3	Lake Usage and Lake Elevation Relationship	5.14-9
5.14-4	Actual Historical and Modeled Lake Levels (NWP)	5.14-19
5.14-5	Modeled Lake Levels (NWP and SVWP)	5.14-27
5.15-1	Study Area Location Map	5.15-5
5.15-2	Planning Areas and 2000 Census Tracts.....	5.15-6
5.15-3	Planning Areas and 1990 Census Tracts.....	5.15-7
5.15-4	Lake Usage and Lake Elevation Relationship	5.15-9
5.15-5	Paso Robles Retail Sales and Lake Elevation Relationship.....	5.15-23
5.15-6	Paso Robles Service Station Sales and Lake Elevation Relationship	5.15-24
5.15-7	Paso Robles Restaurant Sales and Lake Elevation Relationship	5.15-25
5.15-8	County Retail Sales and Lake Elevation Relationship.....	5.15-26
5.15-9	County Boat Sales and Lake Elevation Relationship.....	5.15-27
5.15-10	Census Tract 100 Historical Property Price and Lake Elevation Relationship....	5.15-30
5.15-11	Census Tract 101 Historical Property Price and Lake Elevation Relationship....	5.15-31
5.15-12	Census Tract 102 Historical Property Price and Lake Elevation Relationship....	5.15-32
5.15-13	County of San Luis Obispo Historical Property Price and Lake Elevation Relationship	5.15-33
7-1	Purveyor Service Boundaries, North County.....	7-16
7-2	Purveyor Service Boundaries, South County.....	7-19
11-1	Terrain Shielding of Cuesta Storage Tank	11-34
11-2	Aerial Reconnaissance of Sensitive Receptors	11-104
11-3	Distance from WTP Site Boundary to Nearest Residence.....	11-105
11-4	Terrain in the Immediate Vicinity of the WTP	11-106
11-5	Terrain in the Vicinity of the WTP	11-107

List of Tables

2.1	Tentative Nacimiento Water Project Allocations	2-10
2.2	Project Components as Related to the Two Proposed Options.....	2-14
2.3	Project Pipeline System and its Components.....	2-17
2.4	Pipeline Pressure Control Features	2-26
2.5	Storage Tanks Description Summary	2-36
2.6	Proposed Project Construction Equipment Estimates for Different Project Phases .	2-48
2.7	Proposed Project Personnel Estimates and Construction Times for Different Project Phases.....	2-49
2.8	Approximate Time Required for Pipeline Construction	2-50
2.9	Summary of Permit Requirements	2-54
3.1	Status of State Water in San Luis Obispo County	3-5

3.2	Summary of Environmental Impacts and Mitigation Measures for the 1997 EIR Alternative.....	3-24
3.3	Screening of 1997 DEIR Project Alternative.....	3-35
3.4	Screening of Combined Raw and Treated Water Alternative.....	3-36
3.5	Screening of Bradley West River Alternative.....	3-37
3.6	Screening of Bradley East River Alternative.....	3-38
3.7	Screening of Camp Roberts Direct Route Alternative.....	3-39
3.8	Screening of Alternative Reservoir Intake Options	3-53
3.9	Screening of State Water Project Coastal Branch Alternative.....	3-56
3.10	Screening of Additional Ground Water Development Alternative.....	3-57
3.11	Screening of Desalination and Salinas Reservoir Alternative	3-58
3.12	Screening of Water Reclamation Alternative	3-59
3.13	Screening of Water Conservation Alternative	3-60
3.14	NWP Purveyors and Associated Groundwater Basins.....	3-61
3.15	List of Alternatives Selected for Analysis Throughout the EIR	3-66
4.1	Cumulative Projects	4-2
5.1.1	Organism Data for Lake Nacimiento	5.1-5
5.1.2a	Metals Analyses of Lake Nacimiento Water	5.1-8
5.1.2b	Metals Analyses of Lake Nacimiento Water	5.1-9
5.1.3	MTBE Concentrations in Lake Nacimiento Water	5.1-11
5.1.4	Trihalomethane Formation Testing Results Lake Nacimiento Samples Collected 8/10/93	5.1-13
5.1.5	General Mineral Analyses And Other Water Quality Parameters of Lake Nacimiento Water	5.1-13
5.1.6	General Physical Analyses of Lake Nacimiento Water	5.1-15
5.1.7	Beneficial Uses of Inland Surface Water Bodies	5.1-17
5.1.8	Salinas River Water Quality.....	5.1-18
5.1.9	Surface Water Quality Objectives.....	5.1-20
5.1.10	Water Quality Parameters at Chorro Reservoir	5.1-21
5.1.11	Characteristics of the SLO COUNTY Groundwater Basins Affected by Project	5.1-23
5.1.12	Median Groundwater Quality Objectives	5.1-25
5.1.13	Water Quality Parameters at Purveyor Wells near Raw Water Discharge Areas..	5.1-26
5.1.14	Water Quality Parameters at Purveyor Wells near Raw Water Discharge Areas..	5.1-44
5.2.1	Description of Soil Characteristics along The Pipeline Alignment	5.2-13
5.3.1a	Environmental Setting Relative to Pipeline Stationing.....	5.3-2
5.3.1b	Environmental Setting Relative to Pipeline Stationing.....	5.3-3
5.3.1c	Environmental Setting Relative to Pipeline Stationing.....	5.3-4
5.3.2	Soil Types Relative to Pipeline Alignment Stationing	5.3-5
5.3.3	Flood Zones from the FEMA Flood Insurance Rate Map of SLO County.....	5.3-11
5.3.4	Summary of Peak Flows in Streams Crossed by Proposed Pipelines	5.3-15
5.4.1	National and California Ambient Air Quality Standards for Criteria Pollutants	5.4-4

5.4.2	Ambient Air Quality Summary for Project Area – 1999 to 2001	5.4-5
5.4.3	Attainment Status of San Luis Obispo County, All Monitoring Stations	5.4-6
5.4.4	Regional Emissions Inventory (Tons Per Year) for San Luis Obispo County	5.4-7
5.4.5	San Luis Obispo County APCD Significance Thresholds for Construction	5.4-10
5.4.6	San Luis Obispo County APCD Significance Thresholds for Operations.....	5.4-11
5.4.7	Summary of Construction Emissions – Treated Water Option.....	5.4-13
5.4.8	Summary of the Proposed Project Operations Emissions.....	5.4-17
5.4.9	Summary of Construction Emissions – Raw Water Option.....	5.4-20
5.5.1	Noise-Sensitive Receptors and Baseline Noise Levels	5.5-5
5.5.2	Existing Roadway Noise Contours Along the Project Alignment (in dBA).....	5.5-5
5.5.3	Average Existing Rail Service Noise Levels	5.5-7
5.5.4	San Luis Obispo County Fixed Hourly Noise Standards (in dBA)	5.5-10
5.5.5	Maximum Allowable Noise Exposure—Transportation Noise Sources	5.5-11
5.5.6	Maximum Allowable Noise Exposure—Stationary Noise Sourcesa.....	5.5-12
5.5.7	Noise-Sensitive Land Uses along Pipeline Route	5.5-16
5.5.8	Noise-Sensitive Land Use Comparison between Proposed Pipeline Route and Alternative Pipeline Route	5.5-22
5.6.1	Classification of Businesses that Handle or Store Hazardous Materials	5.6-4
5.6.2	Observed Health Effects and Exposure Limits of Chlorine Gas.....	5.6-5
5.6.3	Observed Health Effects and Exposure Limits of Ammonia.....	5.6-6
5.6.4	Observed Health Effects and Exposure Limits of Ozone	5.6-8
5.6.5	Project Locations with Potential Soil Contamination	5.6-14
5.7.1	Sensitive Species Known to Occur in the Project Area	5.7-7
5.7.2	Project Area Locations Where Major Sensitive Habitats Could Be Impacted	5.7-21
5.8.1	Terminology of Density of Cultural Material	5.8-4
5.8.2	Paleontology Sensitivity of Rock Units for the Project Area	5.8-5
5.8.3	Nomland 1917 List of Santa Margarita Fauna from Nacimiento River.....	5.8-8
5.8.4	Durham 1968 List of Fossils from the Santa Margarita Formation at the Narrows	5.8-8
5.8.5	Project Area Locations with Potential for Presence of Cultural and Paleontology Resources	5.8-56
5.8.6	Project Areas with Confirmed or Potential Paleontology Resources.....	5.8-66
5.8.7	Inventory of Geology Resources for the Proposed Project.....	5.8-69
5.8.8	Inventory of Geomorphology Places in the Project Area	5.8-70
5.8.9	Inventory of Prehistoric Cultural Resources for the Proposed Project	5.8-73
5.8.10	Project Area Locations with Potential for Buried Land Surfaces and Therefore for Presence of Cultural Resources.....	5.8-76
5.8.11	Inventory of Historical Cultural Resources in the Proposed Project Area.....	5.8-80
5.8.12	Inventory of Cultural Resources	5.8-84
5.9.1	RLOS for Communities Proposing to Receive Supplemental NWP Water	5.9-5
5.9.2	Land Use Consistency Determination.....	5.9-9

5.10.1	California Energy Sources and Consumption in 2000	5.10-2
5.10.2	Active Class III Solid Waste Disposal Facilities in San Luis Obispo County.....	5.10-5
5.10.3	Active Class I and Class II Waste Disposal Facilities Available for the Project... 5.10-5	
5.11.1	Traffic Conditions Along Project Related Routes	5.11-1
5.11.2	LOS Screening Classifications, Roadway Daily Volumes	5.11-5
5.11.3	Nacimiento Water Project EIR Traffic/Circulation: Area Routes and Future LOS Classifications – 10 year projection	5.11-7
5.11.4	Truck Traffic Volumes.....	5.11-11
5.11.5	Future Roadway Projects Along Pipeline Route.....	5.11-12
5.11.6	Significance Criteria	5.11-13
5.11.7	Daily Construction Traffic by Project Phase	5.11-15
5.11.8	Lane Closures and Driveways Blocked during Construction	5.11-16
5.11.9	Lane Closures and Driveways Blocked during Construction for NWP 1997 EIR Pipeline Alignment	5.11-22
5.12.1	Indicators of Visual Sensitivity.....	5.12-2
5.12.2	Visual Modification Class (VMC) Definitions.....	5.12-4
5.13.1	San Luis Obispo County Agriculture Statistical Summary.....	5.13-3
5.13.2	Comparison of Valuation of Major Groups for 1992 through 2001 (in Dollars)... 5.13-4	
5.13.3	Top Twenty Value Crops in 2001 (in Dollars)	5.13-5
5.14.1	Reservoir Release Schedule for 2002	5.14-2
5.14.2	Nacimiento Rule Curve, 1994 – California Division of Safety of Dams (DSOD) Certificate of Approval	5.14-3
5.14.3	Water Surface Elevations at which Boat Docks Can No Longer Function	5.14-6
5.14.4	Surface Area and Reservoir Capacity by Elevation at Lake Nacimiento	5.14-6
5.14.5	Proposed Project Seasonal Delivery Schedule.....	5.14-16
5.14.6	Existing Conditions/Proposed Project as Compared to Significance Criteria	5.14-17
5.15.1	Land Use Category Acreages – Nacimiento Planning Area	5.15-10
5.15.2	Land Use Category Acreages – Adelaida Planning Area	5.15-11
5.15.3	Land Use Category Acreages – Salinas River Planning Areas.....	5.15-11
5.15.4	SLO County Population	5.15-12
5.15.5	Population Projections	5.15-13
5.15.6	U.S. Census 2000 Housing Data	5.15-14
5.15.7	U.S. Census 1990 Housing Data	5.15-14
5.15.8	U.S. Census 1980 Housing Data.....	5.15-15
5.15.9	Home Sales and Median Prices.....	5.15-16
5.15.10	City of Paso Robles Taxable Sales.....	5.15-18
5.15.11	Real Median Family Income.....	5.15-19
5.16.1	Summary of Census Data for SLO County and Various County Parts	5.16-5
6.1	CEQA Comparison of Project Alternatives by Issue Area	6-2

Table of Contents

6.2	CEQA Comparison of the Superior Alternative by Issue Area	6-10
6.3	Comparison of Proposed Project Options by Impact Differences	6-16
7.1	Estimated Water Supply vs. Demand by NWP Purveyor in the Salinas River Planning Area.....	7-6
7.2	Estimated Water Supply vs. Demand by NWP Purveyor in the SLO Planning Area	7-7
7.3	Estimated Water Supply vs. Demand by NWP Purveyor in the Estero Planning Area	7-8
7.4	Status of General Plans for Areas Affected by the NWP.....	7-10
7.5	Summary of Issues and Mitigations in Areas Scheduled to Receive Nacimiento Water	7-11
8.1	Summary of Potentially Irreversible and Irretrievable Commitments of Resources ..	8-2
8.2	Summary of Short-term and Long-term Impacts	8-4